

## ABSTRACT

The present invention provides methods for measuring the phosphorylation activity of Cdc7-ASK kinase complex by using as an indicator the level of phosphorylation at a phosphorylation site of MCM, which is a substrate of Cdc7-ASK kinase complex. The effects of test compounds on the phosphorylation activity of Cdc7-ASK kinase complex can also be evaluated based on these measurement methods. Compounds that inhibit this phosphorylation activity are useful as anti-cancer agents having superior specificity for cancer.